

GRAINS RESEARCH UPDATE 2025



**BENDIGO, VICTORIA
TUESDAY 25TH AND WEDNESDAY 26TH
FEBRUARY 2025**

Ulumbarra Theatre, Goal Road

Discuss the latest farm-ready information to improve profit with researchers, agronomists and leading growers at the Bendigo GRDC Grains Research Update.



Day 1 program

Doors open at 8.15am for a 9.00am start - 5.20pm

LIVESTREAM AVAILABLE

The main auditorium program will be available via a free livestream. See back page for registration details.

PLENARY PRESENTATIONS



GUEST SPEAKER
**COURTNEY
BAILEY**

Community trust in food production

Community trust is hard to win and easy to lose. During this session, we will explain why trust is critical to the future of the grains industry by unpacking the key themes found from over six years of community research into the relationship between the Australian community, agriculture, and the grains industry.



GUEST SPEAKER
**CAM
NICHOLSON**

On-farm greenhouse gas emissions, why advisors should know about them

There is a lot of talk about greenhouse gas emissions. This presentation will take attendees through what it looks like at a farm level. It will focus on why advisors need to understand this space.



GUEST SPEAKER
**ROB
NORTON**

Deeper understanding of nitrogen cycling and losses

Let's get back to the basics. Rob will take us through a refresher on nitrogen losses from different environments and the affect this has on the greenhouse gas emissions calculations or grain producers.

CONCURRENT PRESENTATIONS

- An update on nitrogen banking in a dry season. **James Hunt (University of Melbourne)**
- Developing recommendations for controlling mice at varying crop stages. **Steve Henry (CSIRO)**
- A 2024 update on pulse disease. **Josh Fanning and Chloe Findlay (Agriculture Victoria)**
- Unlocking yield potential in challenging seasons: maximising rainfall conversion to grain. **Kenton Porker (CSIRO)**
- The performance of residual phosphorus, results from 3 years of trials. **Sam Trengove (Trengove Consulting)**
- Maximising the uptake of phosphorus by crops to optimise profit in central and southern NSW, Victoria and South Australia. **Katherine Dunsford (Agriculture Victoria)**
- Strategies for managing Feathertop Rhodes Grass. **Hanwen Wu, (NSW DPI)**
- Redefining flowering times of wheat and barley for future climate. **Felicity Harris (Charles Sturt University)**
- Metribuzin and imi tolerance in lentils. **Jason Brand (Frontier Farming Systems)**
- Can agronomic management improve soil carbon and nitrogen stocks in medium and low rainfall cropping systems? **Roger Armstrong (Agriculture Victoria)**
- Cereal diseases resistance update. **Hari Dadu (Agriculture Victoria)**
- Fungicide resistance in blackleg disease in canola. **Alec McCallum (University of Melbourne)**
- Molecular dissection of barley head loss. **Nirmal Rajendran (University of Melbourne)**
- Digging Deeper - enhanced efficiency fertilisers. **Helen Suter (University of Melbourne)**
- Digging Deeper - valuing plant and soil testing information for agronomic decisions. **Rick Llewellyn (CSIRO)**

Network drinks and food in the trade display area courtesy of AGT 5.20pm



Day 2 program

9.00am to 3.00pm

PLENARY PRESENTATIONS



Is artificial intelligence helping grow more grain? A perspective on AI applied to agriculture

Explore the value of artificial intelligence for Australian agriculture. Jonathan highlights the practical applications and how AI can help best utilise farm data to drive profitability.



Advances in spray technology and nozzle selection, key learnings from North American farming systems

Tom is a spray application specialist, based in Saskatoon, Canada. Alongside Jason Deveau, Tom hosts and writes for the world's number one sprayer website, Sprayers101.com. Tom's presentations will cover nozzle selection, novel spray technology and learnings from North American farming systems.

CONCURRENT PRESENTATIONS

- Digital strategies for nitrogen management in grain production systems: lessons from multi-method assessment using on-farm experimentation. **Jonathan Richetti (CSIRO)**
- Nutrition management for high rainfall crops at risk of waterlogging. **Malcolm McCaskill (Agriculture Victoria)**
- Oat agronomic fundamentals. **Aidan McGrath (Dodgshun Medlin)**
- Slug communities: response to environment and management across southern Australia. **Michael Nash (What Bugs You)**
- Crop flowering calculator, an online tool to optimise flowering time. **Jeremy Whish (CSIRO)**
- Considering toxicity on beneficial insects and opportunities for parasitoid wasps. **Lilia Jenkins (CESAR)**
- Constraint mapping and now-casting of plant available water (PAW). **Thomas Bishop and Jie Wang (University of Sydney)**
- Persistence of residual herbicides and the impact on crops. **Michael Rose (NSW DPI)**
- Pulse physiology, phenology and productivity. **Lachlan Lake (SARDI)**

Barista coffee cart courtesy of ADAMA

GRAINS RESEARCH UPDATE



EVENT DETAILS

Registration options

Cost: **\$130** one-day inc. GST **\$200** two-days inc.GST

Grower: **\$100** two-days inc.GST

Student: **\$80** one-day inc.GST **\$120** two-days inc. GST

Extra proceedings: **\$80** posted inc. GST

Main auditorium livestream - Free, [register here](#)

[Click here to register and pay online](#)

Cancellation

Cancellations prior to **22 February 2025** will receive a full refund. **There will be no refunds for cancellations received on or after this date.** Registration is transferable at any time, contact ORM.

Car parking

Parking is available nearby. Delegates are responsible for their own parking arrangements.

Catering

Food and beverages are provided throughout the day.

Accommodation

A list of accommodation options is available [here](#).

Program

Topics and speakers are subject to change.

The final program will be made available via the GRDC website in January 2025.

Industry supporters

Opportunities for industry supporters are available. For details contact bev@orm.com.au.

Contact details

For enquiries, contact ORM Pty Ltd on **03 5441 6176** or email admin@orm.com.au.